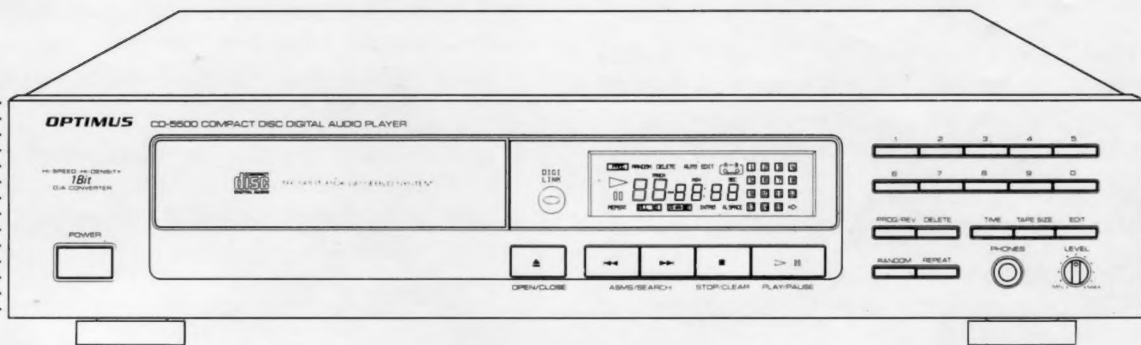


OWNER'S MANUAL

CD-5500 COMPACT DISC PLAYER

Please read before using this equipment.



Cat. No. 42-5036

OPTIMUS®

FEATURES

Your Optimus CD-5500 Compact Disc Player features the latest in digital audio technology. Like all compact disc (CD) players, the CD-5500 uses a low-power laser beam to read digital information from the CD then converts the information into audio signals. Since only a light beam touches the disc's surface in the player, there is no disc wear during normal use. With proper disc care, the original sound quality can last indefinitely. Even when the disc is slightly scratched, the CD-5500's special error-correction circuits can reconstruct missing digital information.

The CD player includes these features:

Eight-Times Oversampling with Digital Filtering — improves the CD's sound by multiplying the standard 44.1 kHz sampling rate by eight and using a digital filter to reduce or eliminate the high-frequency distortion caused by the digital-to-analog conversion.

Digital Display — displays the CD player's operating status and other information, such as the total number of tracks, the total playing time, the current track, and the elapsed-time or remaining time.

Sequence Programming — lets you program up to 20 tracks to play in any order you choose.

15-Track Number Grid — lets you quickly see the total number of tracks (up to 15) you can play or program from a CD.

Tri-Spot Laser Tracking — provides exceptionally accurate tracking of the CD's digital information.

3-inch CD Compatible — plays 3-inch CDs without an adapter.

Floating Disc Tray — reduces interference caused by external vibrations.

Automatic Search Music System (ASMS) — lets you quickly find any track on a CD.

Audible Search — lets you rapidly play a CD in either direction to listen for and locate a certain section of a track.

Track Selector — lets you select a specific track on a loaded CD.

Repeat Play — automatically repeats a programmed sequence of tracks, all the tracks on a CD, a single track, or a desired section of a track.

Random Play — continuously plays tracks it selects at random.

STA-Compatible — lets you play and control the CD changer through your Optimus STA-5500 or STA-7500 Stereo Receiver/Amplifier.

Remote Control — lets you control most of your system's functions from a distance. The remote control requires 2 AA batteries, not supplied.

Compact Discs that you can play on your CD player have this mark on them.



The CD-5500's advanced technology makes it simple to operate. Be sure to completely read this manual so you can understand and take advantage of all the CD-5500's features.

For your personal records, we recommend you record the CD player's serial number in the space provided below. The serial number is on the CD player's back panel.

Serial Number: _____

Laser Safety

Warning: This CD player employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

Warning: The use of controls or adjustments, or the performance of procedures, other than specified herein can result in hazardous exposure to laser light.

This CD player is made and tested to meet exacting safety standards. It meets UL and FCC requirements and complies with safety performance standards of the U.S. Department of Health and Human Services.

Important Note: Most CDs and pre-recorded tapes contain copyrighted material. Copying or dubbing of such material is a violation of copyright laws.

Caution: Any changes or modifications in the construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</p>		

FCC INFORMATION

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- Reorient or relocate the radio or TV's receiving antenna.
- Increase the distance between the equipment and the radio or TV.
- Use different outlets for the equipment and the radio or TV.

Consult your local Radio Shack store or an experienced radio/TV technician if the problem still exists.



This symbol is intended to tell the user that parts inside the product present a risk of electric shock to persons.



This symbol is intended to tell the user that important operating and servicing instructions are included in this owner's manual.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

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PREPARATION

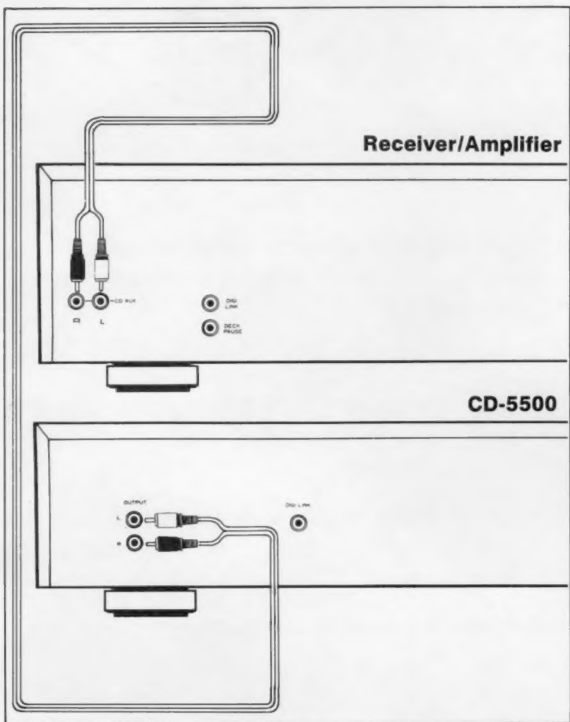
CONNECTING THE CD PLAYER TO A RECEIVER/AMPLIFIER

Select a location for your CD player that is near your receiver/amplifier and a standard AC outlet.

Caution: Do not place the CD player on top of the receiver/amplifier or any other component that produces heat.

Note: If other audio components or their wires are near the CD player, you might hear a hum during play. You can usually eliminate the hum by moving the components or their wiring.

1. Connect one end of the supplied audio cable to the CD player's **L** (left) and **R** (right) **OUTPUT** jacks.



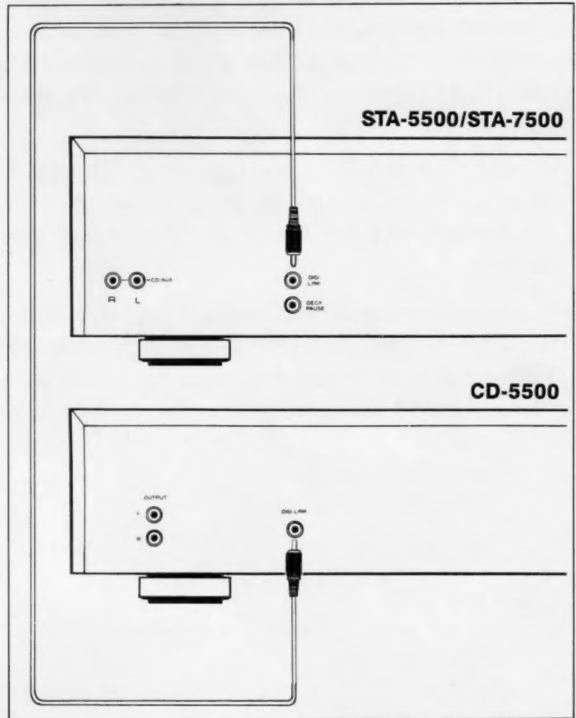
2. Connect the other end of the cable to the receiver/amplifier's corresponding left and right CD, AUX, or TAPE input jacks.

Caution: Do not use the receiver/amplifier's **PHONO** input jacks. Doing so could damage the receiver/amplifier.

3. Plug the CD player's power cord into a standard AC outlet.

CONNECTING THE DIGI-LINK CABLE

If you connect your CD player to an STA-5500 or STA-7500 stereo receiver/amplifier, you can also control the CD-5500 with the receiver/amplifier's remote control by connecting the supplied DIGI-LINK cable.



1. Connect one end of the DIGI-LINK cable to the CD player's upper **DIGI-LINK** jack.
2. Connect the other end of cable to the STA-5500 or STA-7500 receiver/amplifier's **DIGI-LINK** jack.

USING HEADPHONES

To listen through headphones, connect a pair of low-impedance stereo headphones with a 1/4-inch plug to the **PHONES** jack. Adjust **LEVEL** to set the volume to a comfortable listening level.

Listening Safely

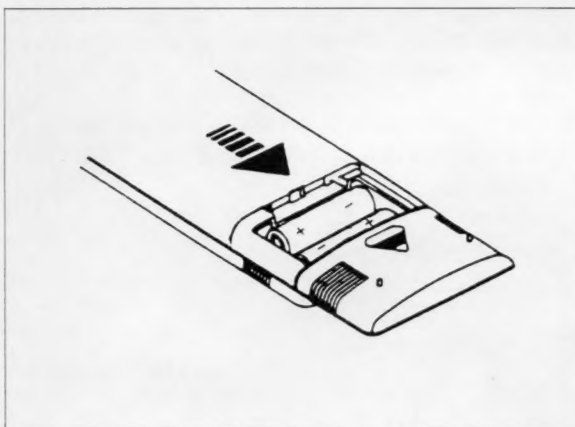
Do not listen at extremely high volume levels. Extended, high-volume listening can lead to permanent hearing loss. Follow these guidelines to protect your hearing, especially when you use headphones.

- Always start by setting the volume to the lowest level possible before you begin listening. Put the headphones on, then gradually increase the volume.
- Once you set the volume, do not increase it. Over a period of time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

INSTALLING THE REMOTE CONTROL'S BATTERIES

Your CD player's remote control requires two AA batteries. For longest life, we recommend alkaline batteries, such as Radio Shack Cat. No. 23-552.

1. Remove the battery compartment cover by pressing down on the cover and sliding it in the direction of the arrow.



2. Insert two fresh AA batteries as indicated by the polarity symbols (+ and -) marked inside the compartment.

Notes:

- Use only batteries of the required size and type. Incorrect batteries could damage the remote control.
 - Never leave dead or weak batteries in the remote control. They can leak damaging chemicals.
3. Replace the battery compartment cover.

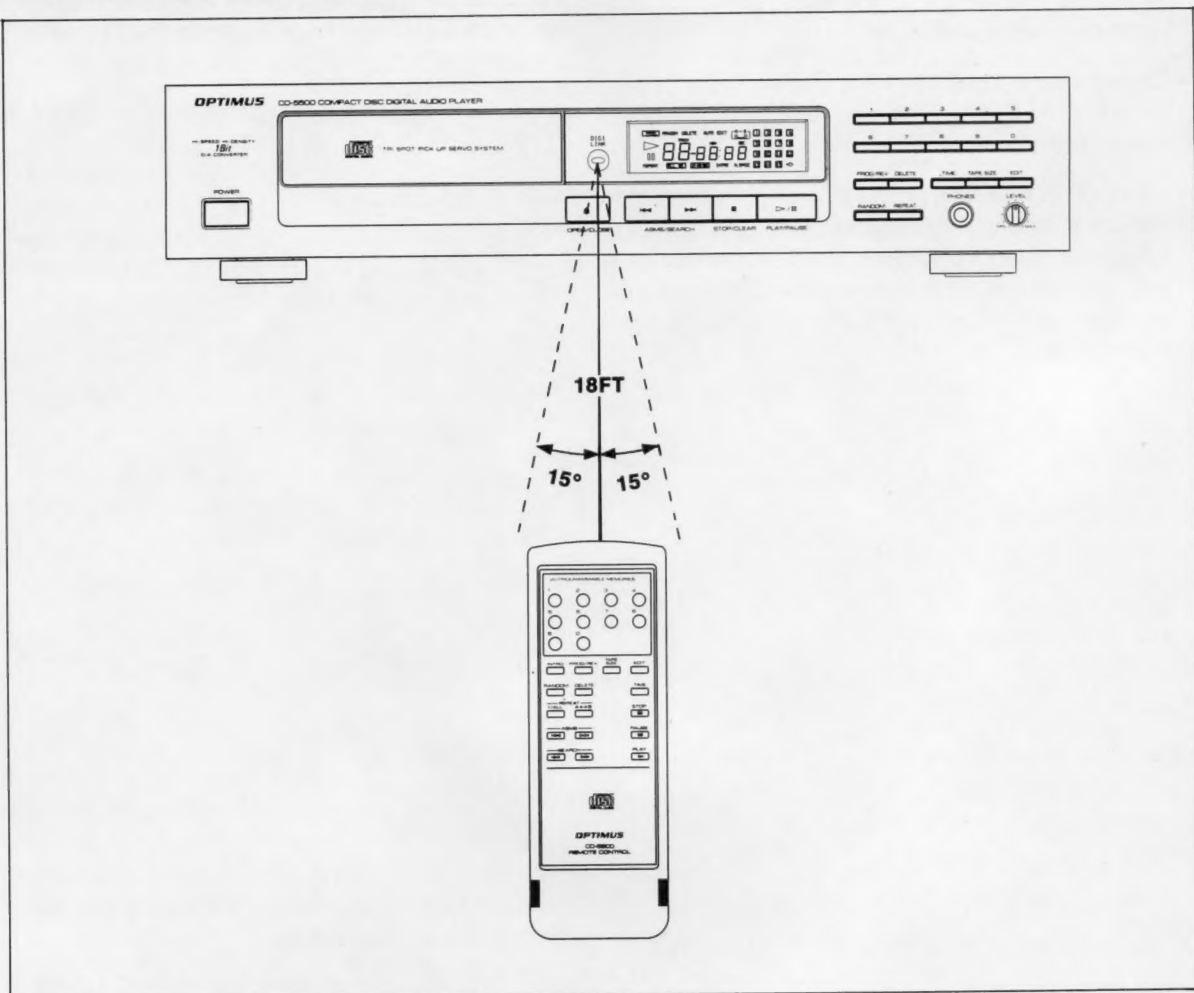
BASIC OPERATION

CD-5500 PRECAUTIONS

- This CD player has a wide dynamic range. Do not turn up your receiver/amplifier's volume too high during soft (low volume) parts of the music or you might damage your hearing when a sudden loud passage occurs.
- Do not place more than one CD or foreign objects in the CD tray. This can damage the drive mechanism.
- Although this CD player has a floating disc tray to reduce interferences caused by minor external vibrations during playback, a sudden shock or jolt could still make the speed of the CD's rotation change suddenly and produce noise. This is not a malfunction.
- If you move the player from a very cold room to a warmer one, moisture might condense on the pickup lens, preventing proper CD play. If this happens, wait 30 minutes before resuming play.
- Keep the CD tray clean.

USING THE REMOTE CONTROL

Use the remote control within a distance of about 18 feet in front of the system and about 15 degrees left and right of center. When using the remote control, point the remote control's front end toward the DIGI-LINK sensor on the CD player.



The remote control has most of the same controls as the CD player's front panel except for **POWER**, and **OPEN/CLOSE**. The **INTRO**, and **REPEAT (A ↔ B)** control buttons are located only on the remote control. Use the controls on the remote control just as you would the controls on the CD player's front panel.

Caution: Exposing the remote control to direct sunlight or strong lights (such as a spotlight) reduces its operating distance or might even make it temporarily inoperative.

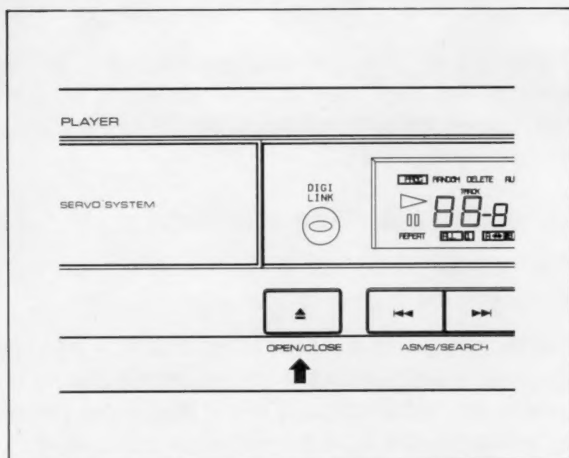
PLAYING A CD

1. Turn on your receiver/amplifier and select the audio input source you connected the CD player to.

2. Press **POWER** to turn on the CD player. The CD player automatically checks the CD tray.

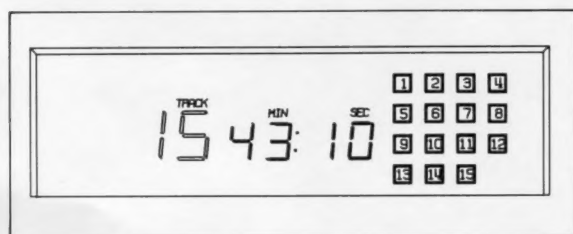
Note: If no CD is loaded, **no disc** appears on the display after a few seconds.

3. Press **OPEN/CLOSE** to open the CD compartment.



Caution: Do not force the compartment open or closed. This could damage its loading mechanism.

4. Load a CD, label side up, into the recessed part of the compartment.
5. Press **OPEN/CLOSE** to close the compartment. The display shows the CD's total number of tracks, total playing time, and the track number grid which also shows the total number of tracks (up to 15 or, if over 15, all 15 numbers on the grid plus ➔ will show).



If a CD has more than 15 tracks:

- All the numbers in the number grid and ➔ appear on the display.
 - The number grid disappears from the display when the CD player begins to play the 16th and all successive tracks. The track number and ➔ appear on the display.
6. Press **PLAY/PAUSE**. ► and the track number appear on the display. The corresponding track number on the track number grid momentarily flashes. Then the CD player begins to play all the tracks in order and the corresponding track number on the track number grid stops flashing.

Notes:

- During each track, the display shows the track number and elapsed time.
 - To temporarily stop play, press **PLAY/PAUSE**. || appears on the display. To resume play, press **PLAY/PAUSE** again.
7. When the CD ends, the CD player automatically stops.

To stop play before the CD ends, press **STOP/CLEAR**.

TIME DISPLAY

The time display shows the elapsed or remaining playing time of the track currently playing, or the CD's remaining playing time. During play and before you press **TIME**, the current track's elapsed time appears on the display.

Press **TIME** once to display the current track's remaining time.

Press **TIME** again to display the CD's total remaining time.

Press **TIME** a third time to return to the elapsed time display.

SPECIAL FEATURES

SELECT PLAY

After you load a CD, you can select a track by directly entering the desired track's number, by using the automatic search music system to quickly skip forward or backward to the beginning of tracks, or by using Intro Scan to automatically scan the tracks so you can listen to the first 10 seconds of each track until you hear the selection you desire.

Directly Selecting a Track

To directly select a track, enter the desired track number using the number buttons. About 4 to 5 seconds after you enter the track number, the CD player starts playing the selected track.

Note: To select a two-digit track number, you must press the second digit within 2 seconds after you press the first digit.

Automatic Search Music System (ASMS)

ASMS lets you quickly locate the beginning of any track during play, including the track that is currently playing.

Press **ASMS/SEARCH** **▶▶** on the player or **ASMS** **▶▶** on the remote control to skip forward through the tracks.

Press **ASMS/SEARCH** **◀◀** on the player or **ASMS** **◀◀** on the remote control to skip backward through the tracks.

Note: If you press **ASMS/SEARCH** **▶▶** on the player or **ASMS** **▶▶** on the remote control at the final track, the display returns to the first track. If you press **ASMS/SEARCH** **◀◀** on the player or **ASMS** **◀◀** on the remote control at the first track, the display returns to the final track.

Intro Scan

Intro scan lets you listen to the first 10 seconds of each track before automatically skipping to the next track.

Press **INTRO** on the remote control before or during play (including programmed play). **INTRO** appears on the display and the CD player plays the first 10 seconds of each track.

To select the current track to continue playing and cancel the intro scan mode, press **INTRO** on the remote control until **INTRO** disappears from the display.

Note: If the CD player reaches the end of a CD during intro scan, the CD player stops and the display shows the total number of tracks and the total playing time of the CD.

Selecting a Section of a Track

After you select a track, audible search helps you quickly locate a specific section of that track.

During play, press and hold **ASMS/SEARCH** **▶▶** on the player or **SEARCH** **▶▶** on the remote control to search forward or **ASMS/SEARCH** **◀◀** on the player or **SEARCH** **◀◀** on the remote control to search backward.

During audible search:

- You hear the music at a higher speed and slightly lower volume.
- If the CD player reaches the end of a CD, the CD player stops and the display shows the total number of tracks and the total playing time of the CD.
- If the CD player reaches the beginning of a CD (during reverse audible search), the player starts playing the first track.

To resume normal play, release **ASMS/SEARCH**.

PROGRAMMED PLAY

Programming a Sequence of Tracks

You can program up to 20 tracks to play in any order you choose.

1. Before play, press **PROG/REV**. **PROG** flashes on the display.
2. Select the desired track number you want to program by either of the following two methods:

- Enter the desired track number using the number buttons. The corresponding track number is automatically stored after entering the track number, the track number grid lights, and **P** and the program number appear on the display to indicate that the track number is stored. The total play time of all programmed tracks appears on the display.
- Press **ASMS/SEARCH** **▶▶** to skip forward through the tracks to select the track number you want to program. The corresponding number on the track number grid flashes. Press **PROG/REV** to store the displayed track number. The corresponding track number on the track number grid lights, and **P** and the program number appear on the display to indicate that the track number is stored. The total play time of all programmed tracks appears on the display.

Note: If you attempt to program more than 20 tracks, **FULL** appears on the display to indicate that the memory is full and cannot accept any more programming.

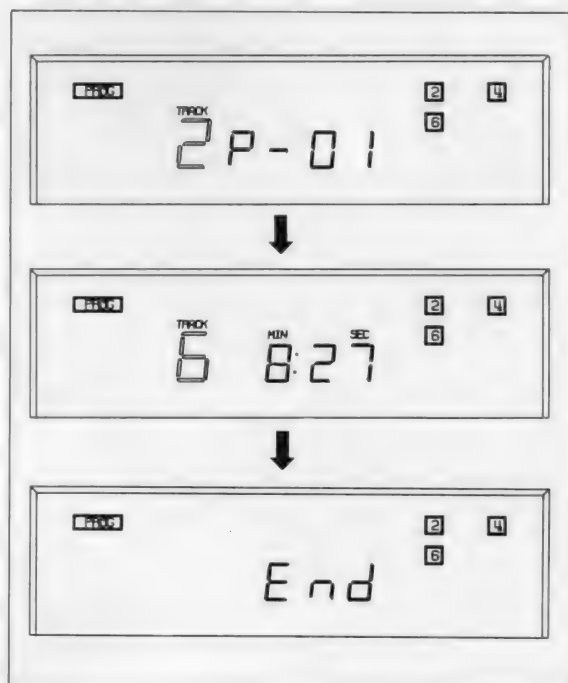
3. Press **PLAY/PAUSE**. The player plays the tracks in the programmed order and **PROG** lights steadily.

Notes:

- After a programmed track finishes playing, the corresponding track number on the track number grid turns off unless the track has been programmed to play more than once.
 - During programmed play, you can use **ASMS** and audible search. The player searches the tracks in the programmed sequence.
4. To clear the entire memory press **OPEN/CLOSE** or repeatedly press **STOP/CLEAR** until **PROG** disappears from the display.

Verifying/Checking the Programmed Sequence

To check the programmed sequence, repeatedly press **PROG/REV** while the CD player is stopped. The display momentarily shows the programmed track number and the track's order in the sequence, then the total play time of all programmed tracks. **END** appears on the display after the last programmed track.



To change a single track within a programmed sequence, press **PROG/REV** until the track you want to change appears on the display. Then simply enter the new track number using the number buttons.

To delete an individual track from the programmed sequence, repeatedly press **PROG/REV** until the track you want to delete appears on the display, then press **STOP/CLEAR**.

Note: Repeatedly press **STOP/CLEAR** to delete the programmed tracks one by one from the first deleted track back to the beginning of the programmed sequence.

DELETE PLAY

You can program the CD player to play all the tracks on a CD, except for the ones you delete. You can delete up to 20 selections.

1. Before play, press **DELETE** once to enter the delete mode. **DELETE** flashes on the display.
2. Follow either of these two procedures to delete a track.
 - Enter the track number using the number buttons. The corresponding track number is automatically deleted. After entering the track number, the deleted number (or numbers) disappears from the track number grid. Then the total remaining play time of the remaining tracks and the number of remaining tracks appear on the display.
 - Press **ASMS/SEARCH** **▶▶** on the player or **ASMS** **▶▶** on the remote control to skip forward through the undeleted tracks to select the track number you want to delete. The corresponding number on the track number grid flashes. Then press **DELETE** again. **DELETE** and the deleted number (or numbers) disappear from the track number grid. The total remaining playing time of the undeleted tracks and the number of remaining tracks appear on the display.
3. Repeat Steps 1 and 2 to delete other tracks.

Notes:

- Repeatedly press **DELETE** to check the deleted track list. The display shows the deleted track numbers in sequence as you press **DELETE**.
 - To undelete tracks while checking the deleted selections, press **STOP/CLEAR** for each track you want to reenter into the playing sequence.
 - To undelete all the deleted tracks, press and hold **STOP/CLEAR** for about 4 seconds until **DELETE** disappears from the display.
4. Press **PLAY/PAUSE** to play all the tracks on a CD, except for the ones you deleted.

REPEAT PLAY

You can repeat a programmed sequence, all tracks on a CD, a single track on a CD, or a selected section of a track.

Repeat Playing a Programmed Sequence

After you start programmed play, press **REPEAT 1/ALL** on the remote control (or **REPEAT** on the CD player) until **REPEAT** **ALL** appears on the display. After the CD player plays all the programmed tracks, it repeatedly plays them again until you stop repeat play.

Repeat Playing All Tracks

Before or during normal play, press **REPEAT 1/ALL** on the remote control (or **REPEAT** on the CD player) until **REPEAT** **ALL** appears on the display. After the CD player plays all the tracks, it repeatedly plays them again until you stop repeat play.

Note: During random play, you can only repeat all the tracks on a CD (see "Random Play").

Repeat Playing a Single Track

After selecting the desired track, press **REPEAT 1/ALL** on the remote control, or **REPEAT** on the CD player until **REPEAT** **1** appears on the display. The CD player repeatedly plays the selected track.

Repeat Playing a Section of a Track

You can continuously repeat a section of a track that you designate while a track is playing. You can use this mode while the CD player is operating in any other playing mode (normal, programmed, random, or any other repeat play). You can designate only one section at a time to repeatedly play.

During any playing mode, press **REPEAT A** **↔** **B** on the remote control at the beginning of the section of a track that you want to repeat. **REPEAT** appears and **A** **←** flashes. At the end of the section you want to repeat, again press **A** **↔** **B** on the remote control. **A** **↔** **B** lights steadily and the CD player repeatedly plays the selected section.

Ending Repeat Play

To end repeat play of a programmed sequence, all tracks, or a single track, press **STOP/CLEAR**, **OPEN/CLOSE**, or **REPEAT 1/ALL** on the remote control or **REPEAT** on the CD player until **REPEAT** disappears. The CD player returns to normal play.

To end repeat play of a section on a track, press **A** **↔** **B** on the remote control until **REPEAT A** **↔** **B** disappears from the display.

RANDOM PLAY

You can randomly play a programmed sequence or all tracks on a CD.

Note: A track might be randomly selected to play more than once, but **RANDOM** will never play any track twice in a row.

Random Playing from a Programmed Sequence

To randomly play a programmed sequence of tracks, after programmed play starts, press **RANDOM** until **RANDOM** appears on the display. The CD player randomly searches for a track from the programmed sequence. Then the track plays. At the end of each track, the CD player again randomly searches for a track from the programmed sequence.

To play the next programmed random track before the current track ends, press **ASMS/SEARCH ►►** on the player or **ASMS ►►** on the remote control.

To end random play, press **STOP/CLEAR, OPEN/CLOSE**, or repeatedly press **RANDOM** (until **RANDOM** disappears).

Random Playing All Tracks

To randomly play all the tracks on a CD except deleted tracks, press **RANDOM**. **RANDOM** appear on the display while the CD player searches for a track. After the CD player selects a track, the track plays.

EDIT PLAY

You can record from the CD player to a cassette recorder by comparing (editing) the total running time of the cassette tape with the playing times of selected CD tracks. This lets you select tracks to record onto the cassette tape which leave the least amount of blank tape on the cassette.

You can either have the CD player automatically figure the time for you by using the auto edit mode, or you can figure the time yourself using the manual edit mode.

Auto Edit

1. Load a blank cassette, or one you want to record over, into the cassette recorder.
2. Load the CD you want to edit into the CD player.

3. Press **EDIT**. **AUTO EDIT** and **A.SPACE** appear and **C-00** flashes on the display.

Note: When you use **EDIT** during recording, the CD player automatically adds 4 seconds of silence between selected tracks.

4. Repeatedly press **TAPE SIZE** until the tape length that appears on the display matches the total tape length of the cassette you are using.

Note: The CD player is preset to select cassette tapes which have total playing times of 46, 54, 60, 74, or 90 minutes. The display starts at 00 and steps through the preset settings as you press **TAPE SIZE**.

5. Press **EDIT** again. The player sets itself to **PAUSE**, **PROG** **AUTO EDIT**, **A.SPACE** appear and **A** flashes on the display, and the track numbers to be recorded appear on the track number grid.

Notes:

- Starting from the first track on a CD and progressing in order, the CD player automatically programs as many tracks as will fit on the cassette tape.
- If you press **STOP/CLEAR** before the CD player turns to **PAUSE**, the CD player stops.

6. To avoid missing part of the recording of the CD's first track, start the cassette deck's recording mode and let the tape advance past the leader part of the tape. Then pause the cassette recorder.
7. Simultaneously start the cassette deck and press **PLAY/PAUSE** on the CD player. The cassette deck records on the tape's selected side as the CD player plays the programmed tracks. After playing the edited selections for side A, the CD player automatically stops.
8. After the CD player automatically stops, stop the recording cassette deck and turn the tape over. Half of the tape length appears and tape side **B** flashes on the display.
9. Repeat Steps 6 and 7.

To cancel **AUTO EDIT** during edit play, press **STOP/CLEAR** to stop playing, then press and hold **STOP/CLEAR** until **AUTO EDIT** disappears (about 4 seconds).

Manual Edit

1. Load a blank cassette, or one you want to record over, into the cassette recorder.
2. Load the CD you want to edit into the CD player.
3. Press **EDIT** twice. **EDIT** and **A.SPACE** appear and **C-00** flashes on the display.

Note: When you use **EDIT** during recording, the CD player automatically adds 4 seconds of silence between selected tracks.

4. Repeatedly press **TAPE SIZE** until the tape length that appears on the display matches the total tape length of the cassette you are using.

Note: The CD player is preset to select cassette tapes which have total playing times of 46, 54, 60, 74, or 90 minutes. The display start at 00 and steps through the preset setting as you press **TAPE SIZE**.

5. Press **PROG/REV**. **PROG**, **EDIT** and half of the selected tape length appears and **A** flashes on the display.
6. Program the tracks you want to record on the selected tape side.
7. To avoid missing part of the recording of the CD's first track, start the cassette deck's recording mode and let the tape advance past the leader part of the tape. Then pause the cassette recorder.

8. Simultaneously start the cassette deck and press **PLAY/PAUSE** on the CD player. The cassette deck records on the tape's selected side as the CD player plays the programmed tracks. After playing the edited selections for side A, the CD player automatically stops.

Notes:

- As you record each track, the track number and the elapsed time of the current track appear on the display.
- If the programmed tracks' total time is greater than will fit on either side, **→** flashes on the display. Delete a track or edit again.

9. After the CD player automatically stops, stop the recording cassette deck, turn the tape over, and again press **EDIT** on the CD player. Half of the tape length appears and tape side **B** flashes on the display.

10. Repeat Steps 6 — 8.

To cancel the **EDIT** mode during edit play, press **STOP/CLEAR** to stop playing, then press and hold **STOP/CLEAR** until **EDIT** disappears (about 4 seconds).

TROUBLESHOOTING

With proper care and handling, your CD player should give you years of trouble-free service. However, if you have problems with the CD player, the following problem solving chart might help.

Problem	Possible Cause	Remedy
Power is turned on but no indicators light.	AC cord is unplugged.	Plug AC cord into a standard AC outlet.
	POWER button is not completely pressed.	Press POWER again.
CD is loaded but the display does not show the total number of tracks and total play time.	CD is loaded upside down.	Reload CD with the label side up.
	CD is dirty or scratched.	Clean the CD or try a different CD.
	CD is not a standard compact disc.	Be sure that the CD bears the standard compact disc logo.
No sound.	Audio cables defective or not connected.	Replace the cables.
		Be sure the cables are properly plugged into the correct jacks.
Intermittent sound or the same part is repeated.	CD is scratched.	Replace CD. See "Caring for Compact Discs."
	CD is dirty.	Clean the CD. See "Caring for Compact Discs."

If you still have problems, take the player to your local Radio Shack store for servicing.

CARE AND MAINTENANCE

CARING FOR THE CD-5500

Your CD-5500 Compact Disc Player is an example of superior design and craftsmanship. The following suggestions will help you care for the CD player so you can enjoy it for years.



Keep the CD player dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode electronic circuits.



Handle the CD player gently and carefully. Dropping it can damage the circuit boards and cause the CD player to work improperly.



Use and store the CD player only in normal temperature environments, and avoid sudden temperature changes. Temperature extremes can shorten the life of electronic devices, and distort or melt plastic parts.



Keep the CD player away from dust and dirt, which can cause premature wear of parts.



Wipe the CD player with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the CD player.

Modifying or tampering with the CD player's internal components can cause a malfunction and might invalidate the CD player's warranty and void your FCC authorization to operate the CD player. If your CD player is not performing as it should, take it to your local Radio Shack store for assistance.

CARING FOR COMPACT DISCS

Even though a CD is very durable, treat it with care.

- To prevent possible damage to a CD if you move the player, be sure the CD compartment is empty.
- Do not write on either side of a CD, particularly the non-label side. (Signals are read from the non-label side.)
- Do not store CDs in high-temperature, high-humidity locations. The CDs might warp.
- Keep the CD dry. A water drop can act as a lens and affect the laser beam's focus.
- Always keep the CD in its protective case or sleeve when it is not in use.
- Always handle a CD by the edges to avoid fingerprints or scratches on the playing surface which can prevent the laser beam from correctly reading the digital information or create a "skipping" sound.

To remove fingerprints and clean the CD surface, use a CD cleaner kit (such as Cat. No. 42-116).

To repair scratches on the CD surface, use a CD scratch repair kit (such as "Scratch 'N Fix," Cat. No. 42-127).

SPECIFICATIONS

Audio:

Frequency Response	20-20,000Hz \pm 0.5 dB
Signal-to-Noise Ratio (A-WTD)	More than 105 dB
Total Harmonic Distortion (with 20 kHz LPF)	Less than 0.004% at 1 kHz
Separation	95 dB
Dynamic Range	More than 92 dB
Wow/Flutter	Not measurable
Line Output	2 Volts RMS

Required Disc:

Diameter	3 Inches (76.2mm) or 4 $\frac{3}{4}$ Inches (120.7mm)
Playing Time	up to 75 Minutes

Signal Format:

Oversampling	8 Times
Sampling Frequency	44.1 kHz
Quantization Number	1-Bit Linear/Channel
Transmission Bit Rate	4.3218 MB/Second
Signal Processing Rate	352.8 kHz

Pick-Up:

Tracking System	3-Beam Tracking Servo Type
Object Lens Drive System	2-Dimensional Parallel Drive
Optical Source	Semiconductor Laser
Wavelength	780 nm

General:

Power Requirements	AC 120 V, 60 Hz
Power Consumption	10 Watts
Dimension (H×W×D)	3 $\frac{9}{16}$ × 16 $\frac{9}{16}$ × 9 $\frac{13}{16}$ Inches 80 × 420 × 245 mm
Weight	7.58 lbs (3.44 kg)
Accessories	Connecting Audio Cable Wireless Remote Control Digi-Link Cable

Specifications and design subject to change without notice.

RADIO SHACK LIMITED WARRANTY

This product is warranted against defects for 1 year from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

EXCEPT AS PROVIDED HEREIN, RADIO SHACK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

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